



S/ 10/826,094

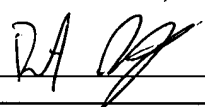
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	MADHYASTHA	Examiner:	Unknown
Serial No.:	10/826,094	Group Art Unit:	1614
Filed:	April 16, 2004	Docket No.:	14233.16USU1
Title:	SYNERGISTIC ANTIMICORBIAL COMPOSITIONS AND METHODS FOR REDUCING BIOFILM FORMATION		

CERTIFICATE UNDER 37 CFR 1.10:
"Express Mail" mailing label number: EV 408489988 US
Date of Deposit: August 27, 2004

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, Mail Stop Missing Parts, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 
Name: David Ortiz

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted within three months of the filing date of the above-identified application, which is not an application under 37 C.F.R. § 1.53(d). Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

A copy of any foreign patent document or "Other Document" listed on the Form 1449 is enclosed, in accordance with 37 C.F.R. § 1.98(a)(2). Because this application was filed after June 30, 2003, copies of the U.S. Patents and U.S. patent publications listed on the enclosed Form 1449 are not provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to

establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

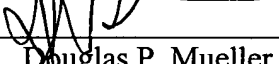
Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903
(612)332.5300

Dated: August 27, 2004

By: 
Douglas P. Mueller
Reg. No. 30,300

DPM/pjk



Form PTO-1649 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32-99) PATENT AND TRADEMARK OFFICE

Attorney Docket No.
42623-0043

Serial No.
10/826,094

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
 (Use Several Sheets if Necessary)

Applicant: **Srinivasa Madhyastha**

Filing Date

April 16, 2004

Group Art
 Unit:

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	6,187,768		Welle, C. J. et al.			
	20020037260		Budney, J.A. et al			
	5,362,754		Raad, et al.			
	6,187,768		Welle et al.			
	5,466,707		Wu, et al.			
	20030166843		Benson, T.E.			
	6,043,071		DeBouck, et al.			

FOREIGN PATENT DOCUMENTS

							Translation
Examiner Initial	Document Number	Date	Country	Class	Sub-Class	Yes	No
	WO97/23628						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Ankri and Mirelman, "Antimicrobial properties of allicin from garlic", Microbes. Infect. 1:125-129, 1999
	Becker, et al., "Thioredoxin reductase as a pathophysiological factor and drug target", Eur. J. Biochem. 267: 6118-6125, 2000
	Bezkorovainy, "Antimicrobial properties of iron-binding proteins", Adv. Exp. Med. Biol., 135:139-154, 1981

EXAMINER

DATE CONSIDERED

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Cechinel Filho, et al., "Antibacterial activity of N-phenylmaleimide, N-phenylsuccinimides and related compounds: Structure-activity relationships", <i>Farmaco.</i> 49: 675-677, 1994 (abstract)
		Costerton, et al., "Bacterial Biofilms: A common cause of persistent infections", <i>Science</i> , 284:1318-1322, 1999
		Darouiche, et al., "Antimicrobial activity and durability of a novel antimicrobial-impregnated bladder catheter", <i>Int. J. Antimicrob. Ag.</i> , 8:243-247, 1997 (abstract)
		Darouiche, et al., "A comparison of two antimicrobial-impregnated central venous catheters", <i>New. Eng. J. Med.</i> , 340:1-8, 1999
		Donlan, "Biofilms and device-associated infections", <i>Emerging Infectious Diseases</i> , 7:277-281, 2001
		Veine et al., "Thioredoxin reductase from Escherichia coli: Evidence of restriction to a single conformation upon formation of a crosslink between engineered cysteines", <i>Prot. Sci.</i> 7:369-375, 1998 (abstract)
		Fallgren, et al., "In vitro anti-Staphylococcal activity of heparinized biomaterials bonded with combinations of rifampin", <i>Zentralbl. Bakteriol.</i> , 287:19-31, 1998 (abstract)
		Jackson, et al., "Biofilm formation and dispersal under the influence of the global regulator CsrA of Escherichia coli", <i>J. Bacteriol.</i> , 184:290-301, 2002
		Johnson, et al., "Activities of a nitrofurazone-containing urinary catheters and a silver hydrogel catheter against multidrug resistant bacteria characteristic of catheter-associated urinary tract infection", <i>Antimicrob. Agents. Chemother.</i> , 43:2,990-2,995, 1999
		Maki and Tambyah, "Engineering out the risk of infection with urinary catheters", <i>Emerging Infectious Diseases</i> , 7:1-6, 2001
		Pompeo, et al., "Probing the role of cysteine residues in glucosamine-1-phosphate acetyltransferase activity of the bifunctional protein GlmU from Escherichia coli: Site-directed mutagenesis and characterization of the mutant enzymes", <i>J. Bacteriol.</i> 180: 4799-4803, 1998
		Pugach, et al., "Antibiotic hydrogel coated foley catheters for prevention of urinary tract infection in a rabbit model", <i>J. Urol.</i> 162:883-887, 1999
		Raad, et al., "Antimicrobial durability and rare ultrastructural colonization of indwelling central catheters coated with minocycline and rifampin", <i>Crit. Care. Med.</i> , 26:219-224, 1998
		Schierholz, et al., "Controlled release of antibiotics from biomedical polyurethane", <i>Biomaterials</i> , 18:839-844, 1997 (abstract)
		Stickler, "Biomaterials to prevent nosocomial infections: Is silver the gold standard?", <i>Curr. Opin. Infect. Dis.</i> , 13:389-393, 2000
		Uziel, et al., "Transcriptional regulation of the Staphylococcus aureus thioredoxin and thioredoxin reductase genes in response to oxygen and disulfide stress", <i>J. Bacteriol.</i> 186: 326-334, 2004
		Yoshida, et al., "Antimicrobial activity of the thiosulfates isolated from oil-macerated garlic extract", <i>Biosci. Biotechnol. Biochem.</i> 63: 591-594, 1999

EXAMINER

DATE CONSIDERED

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Zentz, et al., "Synthesis and antimicrobial activities of N-substituted imides", Farmaco. 57: 421-426, 2002
EXAMINER		DATE CONSIDERED
<p>* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>		